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     2
                CA/CAPLUS - Russian Agency for Patents and Trademarks
NEWS 3 FEB 25
                 (ROSPATENT) added to list of core patent offices covered
        FEB 28
                PATDPAFULL - New display fields provide for legal status
NEWS 4
                 data from INPADOC
NEWS 5 FEB 28
                BABS - Current-awareness alerts (SDIs) available
                MEDLINE/LMEDLINE reloaded
NEWS 6 FEB 28
                GBFULL: New full-text patent database on STN
NEWS 7 MAR 02
                REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 8 MAR 03
NEWS 9 MAR 03
                MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
                Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 11 MAR 22
                PATDPASPC - New patent database available
NEWS 12 MAR 22
                REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 13 MAR 22
NEWS 14 APR 04
                EPFULL enhanced with additional patent information and new
                 fields
                EMBASE - Database reloaded and enhanced
NEWS 15 APR 04
                New CAS Information Use Policies available online
     16 APR 18
NEWS
NEWS 17 APR 25
                Patent searching, including current-awareness alerts (SDIs),
                based on application date in CA/CAplus and USPATFULL/USPAT2
                may be affected by a change in filing date for U.S.
                applications.
                Improved searching of U.S. Patent Classifications for
NEWS 18 APR 28
                U.S. patent records in CA/CAplus
                GBFULL enhanced with patent drawing images
NEWS 19 MAY 23
                REGISTRY has been enhanced with source information from
NEWS 20 MAY 23
                 CHEMCATS
                STN User Update to be held June 6 and June 7 at the SLA 2005
NEWS 21 MAY 26
                Annual Conference
                STN Patent Forums to be held in June 2005
NEWS 22 JUN 06
                The Analysis Edition of STN Express with Discover!
NEWS 23 JUN 06
                 (Version 8.0 for Windows) now available
             JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
             AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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=> file reg
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FULL ESTIMATED COST

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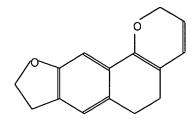
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

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ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

ring bonds :

1-2 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13

12-15 13-14 13-17 15-16 16-17

exact/norm bonds :

1-2 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 12-15 13-17 15-16 16-17

normalized bonds :

9-10 9-11 10-14 11-12 12-13 13-14

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

L1 STRUCTURE UPLOADED

=> s 11

SAMPLE SEARCH INITIATED 18:23:18 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9692 TO ITERATE

10.3% PROCESSED 1000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 187940 TO 199740

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 18:23:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 192542 TO ITERATE

100.0% PROCESSED 192542 ITERATIONS

10 ANSWERS

0 ANSWERS

SEARCH TIME: 00.00.02

L3 10 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 161.33 161.54

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FILE COVERS 1907 - 7 Jun 2005 VOL 142 ISS 24 FILE LAST UPDATED: 6 Jun 2005 (20050606/ED)

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=> s 13 L4 3 L3

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 1.35 162.89

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 6 JUN 2005 HIGHEST RN 851745-60-3 DICTIONARY FILE UPDATES: 6 JUN 2005 HIGHEST RN 851745-60-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

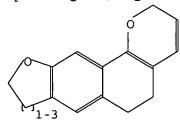
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

=>

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0 ANSWERS

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

ring bonds :

 $1-2^{-}$ 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13

12-15 13-14 13-17 15-16 16-17

exact/norm bonds :

1-2 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 12-15 13-17 15-16 16-17

normalized bonds :

9-10 9-11 10-14 11-12 12-13 13-14

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

L5 STRUCTURE UPLOADED

=> s 15

SAMPLE SEARCH INITIATED 18:25:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9551 TO ITERATE

10.5% PROCESSED 1000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

185163 TO 196877

PROJECTED ANSWERS:

0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 ful

FULL SEARCH INITIATED 18:25:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 189760 TO ITERATE

100.0% PROCESSED 189760 ITERATIONS

SEARCH TIME: 00.00.01

L7 11 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL

ENTRY SESSION

11 ANSWERS

FULL ESTIMATED COST 161.33 324.22

FILE 'CAPLUS' ENTERED AT 18:25:45 ON 07 JUN 2005

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FILE COVERS 1907 - 7 Jun 2005 VOL 142 ISS 24 FILE LAST UPDATED: 6 Jun 2005 (20050606/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17

L8 3 L7

=> d 18 ibib hitstr abs 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:962909 CAPLUS

DOCUMENT NUMBER: 141:412445

TITLE: Photochromic 2-arylamine group-substituted benzo-,

naphtho-, and phenanthrochromenes, their preparation

and compositions containing them

INVENTOR(S): Breyne, Olivier; Bremand, Rodrigue; Chan, You Ping

PATENT ASSIGNEE(S): Corning Incorporated, USA

SOURCE: Fr. Demande, 34 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE ·			
				-			
FR 2854631	A1	20041112	FR 2003-5437	20030505			
WO 2004099172	A1	20041118	WO 2004-US14240	20040505			
W: AE. AG. AL.	AM. AT	. AU. AZ, BA	A, BB, BG, BR, BW, BY,	BZ, CA, CH,			

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

FR 2003-5437

A 20030505

OTHER SOURCE(S):

MARPAT 141:412445

IT 792214-94-9P 792215-03-3P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(production of photochromic benzo-, naphtho-, and phenanthrochromenes)

RN 792214-94-9 CAPLUS

CN Benzenamine, N,N,2-trimethyl-4-[6,9,13,14-tetrahydro-9-(4-methoxyphenyl)-5H-benzofuro[5,6-h]naphtho[2,1-f][1]benzopyran-9-yl]- (9CI) (CA INDEX NAME)

RN 792215-03-3 CAPLUS

CN Benzenamine, 2-bromo-N,N-dimethyl-4-[6,9,13,14-tetrahydro-9-(4-methoxyphenyl)-5H-benzofuro[5,6-h]naphtho[2,1-f][1]benzopyran-9-yl]- (9CI) (CA INDEX NAME)

GΙ

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Title compds. [I; R1 = NR'R''; R', R'' = independently (un) substituted AB alkyl, Ph, or NR'R'' = (un) substituted 5-7-membered heterocycle; R2, R3 = H, halo, especially F, Cl, Br; cyclo/alkyl, alkoxy, (un) substituted Ph, Bn; R4

H, cyclo/alkyl, alkoxy, Ph, Bn; X = (un)substituted Ph, naphthyl, phenanthryl, optionally annelated) were prepared by cyclocondensation of a 1-naphthol-based precursor with a propargylic alc. II or an unsatd. aldehyde III. I can be incorporated in polymer matrixes for manufacture of ophthalmic eyeglasses, sunglasses, optical devices, etc.. I have photochromic properties which are durable under conditions encountered in ophthalmic use. For instance, naphthol IV was cyclocondensed with II (R1 = NMe2, R2 = Ph, R3 = R4 = H) in toluene to give V (λ max = 452 nm).

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 2 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

2004:905684 CAPLUS ACCESSION NUMBER:

141:366215 DOCUMENT NUMBER:

TITLE: Preparation of oxygen-containing heterocyclic fused

naphthopyrans

Qin, Xuzhi INVENTOR(S):

Vision-Ease Lens, Inc., USA PATENT ASSIGNEE(S): U.S. Pat. Appl. Publ., 13 pp. SOURCE:

CODEN: USXXCO

Patent DOCUMENT TYPE:

English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004215024	A1	20041028	US 2003-694111	20031027

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WO 2003-US34062
                                                                            20031027
     WO 2004047674
                             A2
                                    20040610
     WO 2004047674
                             A3
                                    20041021
          W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
              PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
              UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
              KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
              FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                                 US 2002-4/22147P)
PRIORITY APPLN. INFO.:
                                                                        P 20021028
                            MARPAT 141:366215
                                                          ~
OTHER SOURCE(S):
     780808-05-1P 780808-07-3P 780808-09-5P
ΙT
     780808-11-9P
     RL: DEV (Device component use); SPN (Synthetic preparation); TEM
     (Technical or engineered material use); PREP (Preparation); USES (Uses)
         (preparation of oxygen-containing heterocyclic fused naphthopyrans as
        photochromic substances for photochromic lense)
RN
     780808-05-1 CAPLUS
     2H-Benzofuro[5,6-h]-1-benzopyran-5-carboxylic acid, 8,9-dihydro-2,2-bis(4-
CN
```

methoxyphenyl)-6-phenyl-, methyl ester (9CI) (CA INDEX NAME)

RN 780808-07-3 CAPLUS
CN 2H-Benzofuro[5,6-h]-1-benzopyran, 2-[1,1'-biphenyl]-4-yl-5-(1-cyclopenten-1-ylmethyl)-8,9-dihydro-2,6-diphenyl- (9CI) (CA INDEX NAME)

RN 780808-09-5 CAPLUS

CN 2H-Benzofuro[5,6-h]-1-benzopyran, 8,9-dihydro-2,2-bis(4-methoxyphenyl)-5-(1-pentenyl)-6-phenyl- (9CI) (CA INDEX NAME)

RN 780808-11-9 CAPLUS

CN 2H-Benzofuro[5,6-h]-1-benzopyran, 5-(1-butyl-1-pentenyl)-8,9-dihydro-2,2-bis(4-methoxyphenyl)-6-phenyl- (9CI) (CA INDEX NAME)

GΙ

$$(R^7) \text{ m} \qquad \begin{array}{c} R^1 & R^2 \\ 0 \\ 8 \\ 1 \\ \end{array} \qquad \begin{array}{c} OMe \\ CO_2Me \\ \end{array}$$

This invention relates to novel naphthopyrans (I) [] having an AB oxygen-containing heterocyclic group F annelated on the i, j, or k side of the naphthopyran ring, having certain substituents at the 2, 5, and 6 positions of the naphthopyran ring [wherein ring F = 5- to 7-member saturated heterocyclic ring group fused to i or j side of the naphthopyran ring and containing an oxygen atom directly connected to 7-, 8-, or 9-position; R6 = H, C1-6 alkyl or alkoxy, C(0)R (wherein R = H, HO, alkyl, alkoxy, aryl, or (un) substituted heteroaryl); R5 = HO, halogen (notably fluorine, chlorine or bromine), linear or branched C1-12 alkyl, C3-12 cycloalkyl, linear or branched C1-12 alkoxy, each (un) substituted haloalkyl, halocycloalkyl, or haloalkoxy, linear or branched C1-12 alkenyl or alkynyl, linear or branched C1-12 alkenyloxy or alkynyloxy, aryl, heteroaryl, aralkyl, heteroaralkyl, each (un) substituted NH2 or CONH2; R1, R2 = H, linear or branched C1-12 alkyl, C3-12 cycloalkyl, aryl, heteroaryl, aralkyl, heteroaralkyl; or R1 and R2 together form (un) substituted ring group such as adamantyl, norbornyl, fluorenylidene, 5,5- or 10,10-di(C1-6) alkylanthracenylidene, 5 (or 10) - (C1-6) alkyl-5 (or 10) - OH (or OR15) anthracenylidene or spiro[C5 or 6] cycloalkylanthracenylidene ring group; m = 0-6]. These naphthopyrans have interesting photochromic properties. Also related to this invention are (1) a photochromic composition containing naphthopyran compound I and linear or cross-linked (CO)polymers and (2) an ophthalmic lense that incorporates the naphthopyran compound I. Thus, benzoylation of 2,3-dihydrobenzofuran by benzoyl chloride in the presence of AlCl3 in CH2Cl2 gave 5-benzoyl-2,3-dihydrobenzofuran which was condensed with di-Me succinate in the presence of potassium tert-butoxide in toluene under reflux to give 2-[(2,3-dihydrobenzofuran-5yl)phenylmethylene]succinic acid monomethyl ester (II). Cyclization of II by treatment with Ac20 in the presence of AcOK under refluxing for 1.5 h gave Me 8-acetoxy-2,3-dihydro-5-phenylnaphtho[2,3-b]furan-6-carboxylate which was treated with p-MeC6H4SO3H in toluene under refluxing for 2 h to give Me 8-hydroxy-2,3-dihydro-5-phenylnaphtho[2,3-b]furan-6-carboxylate (III). Cycloaddn. reaction of III with 1,1-bis(4-methoxyphenyl)-2-propyn-1-ol in the presence of p-MeC6H4SO3H under refluxing for 3 h gave furonaphthopyran compound (IV). A polyurethane film (0.1 mm thickness) containing IV had two absorption peaks in the visible spectrum with a relative induced optical d. of 0.91 when measured before and after exposure of the polyurethane film to a 365 nm UV source.

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:417752 CAPLUS

DOCUMENT NUMBER: 139:8129

TITLE: Photochromic naphthopyran compounds and compositions

and articles containing them

INVENTOR(S): Qin, Xuzhi

PATENT ASSIGNEE(S): Vision-Ease Lens, Inc., USA

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.			KIND DATE			APPLICATION NO.						DATE					
										WO 2002-US37469								
						A3 20040122												
								AU,			BB.	BG.	BR.	BY.	BZ.	CA.	CH.	CN.
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IT										-1P								
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532428-16-3P RL: IMF (Industrial manufacture); TEM (Technical or engineered material																		
use); PREP (Preparation); USES (Uses)																		
(dye; production of photochromic naphthopyran dyes)																		
RN																		
									-6-(4-									
	met	hoxy	phen	y1)-6	5,9-c	liphe	enyl	- (9	CI)	(ĈĀ	IND	EX N	AME)			•	•	

RN 532428-12-9 CAPLUS

CN Benzofuro[5,6-h]indeno[2,1-f][1]benzopyran-9-ol, 1,2,6,9-tetrahydro-6,6-bis(4-methoxyphenyl)-9-methyl- (9CI) (CA INDEX NAME)

RN 532428-14-1 CAPLUS

CN Benzofuro[5,6-h]indeno[2,1-f][1]benzopyran-9-ol, 9-ethyl-1,2,6,9-tetrahydro-6,6-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

RN

532428-16-3 CAPLUS
Benzofuro[5,6-h]indeno[2,1-f][1]benzopyran-9-ol, 1,2,6,9-tetrahydro-6,6-bis(4-methoxyphenyl)-9-phenyl- (9CI) (CA INDEX NAME) CN

GI

Photochromic naphthopyrans (I; R1, R2 = atoms or groups providing photochromic properties; ring A = 5-, 6-, or 7-membered heterocyclic ring having only one O, S, or N heteroatom) displaying good color distribution are disclosed. In an example, 3-(4-methoxyphenyl)-3,13-diphenyl-13-hydroxy-3H-(4,5-dihydrofurano[2,3-b]indeno[3,2-f]naphtho)[1,2-b]pyran was prepared from 2,3-dihydrobenzofuran, benzoyl chloride, di-Me succinate, 1-(4-methoxyphenyl)-1-phenyl-2-propyn-1-ol, and PhMgBr.

=> log y COST IN U.S. DOLLARS	SINCE FILE TOT ENTRY SESSI					
FULL ESTIMATED COST	15.27	339.49				
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION				
CA SUBSCRIBER PRICE	-2.19	-2.19				

STN INTERNATIONAL LOGOFF AT 18:26:11 ON 07 JUN 2005